

## EAST Search History

Re f. #	Hits	Search Query	DBs	Defau lt Oper ator	Plur als	Time Stamp
L1	1	"11508806"	US-PGP UB; USPAT; USOCR	OR	ON	2007/06/21 16:07
S1	1	10/529258	US-PGP UB; USPAT; USOCR	OR	ON	2007/06/06 15:10
S2	1	10/529258	US-PGP UB; USPAT; USOCR	OR	ON	2007/06/07 15:20
S3	20977 15	WO 2004/031437	FPRS; EPO; JPO; DERWE NT; IBM_T DB	OR	ON	2007/06/06 15:14
S4	0	WO2004/031437	FPRS; EPO; JPO; DERWE NT; IBM_T DB	OR	ON	2007/06/06 15:14

## EAST Search History

S5	0	2004/031437	FPRS; EPO; JPO; DERWE NT; IBM_T DB	OR	ON	2007/06/06 15:14
S6	7065	((428/408) or (216/37) or (216/53) or (427/248.1)). CCLS.	US-PGP UB; USPAT; USOCR	OR	OFF	2007/06/06 18:03
S7	103	S6 and hard adj metal	US-PGP UB; USPAT; USOCR	OR	ON	2007/06/06 18:04
S8	60	S7 and diamond	US-PGP UB; USPAT; USOCR	OR	ON	2007/06/06 18:21
S9	0	"hard metal" with binder same (diamond adj film)	US-PGP UB; USPAT; USOCR	OR	ON	2007/06/06 18:22
S1 0	0	("hard metal" with binder) same (diamond adj film)	US-PGP UB; USPAT; USOCR	OR	ON	2007/06/12 12:22
S1 1	6	("hard metal" with binder) and (diamond adj film)	US-PGP UB; USPAT; USOCR	OR	ON	2007/06/06 18:23
S1 2	2	("cement" with binder) and (diamond adj film)	US-PGP UB; USPAT; USOCR	OR	ON	2007/06/06 18:23

## EAST Search History

S1 3	0	("hard metal" with binder) and (diamond adj film)and porous	US-PGP UB; USPAT; USOCR	OR	ON	2007/06/07 13:46
S1 4	0	("hard metal" with binder)and (diamond adj film)and porous	US-PGP UB; USPAT; USOCR	OR	ON	2007/06/07 13:46
S1 5	1	("hard metal" same binder)and (diamond adj film)and porous	US-PGP UB; USPAT; USOCR	OR	ON	2007/06/07 14:08
S1 6	4	"6096377"	US-PGP UB; USPAT; USOCR	OR	ON	2007/06/07 14:35
S1 7	0	DE19522371	US-PGP UB; USPAT; USOCR ; FPRS; EPO; JPO; DERWE NT; IBM_T DB	OR	ON	2007/06/07 14:10

## EAST Search History

S1 8	76073 64	DE "19522371"	US-PGP UB; USPAT; USOCR ; FPRS; EPO; JPO; DERWE NT; IBM_T DB	OR	ON	2007/06/07 14:10
S1 9	76073 64	DE "19522371"	US-PGP UB; USPAT; USOCR ; FPRS; EPO; JPO; DERWE NT; IBM_T DB	OR	ON	2007/06/07 14:11
S2 0	39	"5068148"	US-PGP UB; USPAT; USOCR	OR	ON	2007/06/07 14:36
S2 1	38	"5068148"	USPAT	OR	ON	2007/06/07 14:40
S2 2	39	"5068148"	US-PGP UB; USPAT	OR	ON	2007/06/07 14:40
S2 3	0	etch with ( "hard metal" same binder)	US-PGP UB; USPAT; USOCR	OR	ON	2007/06/07 15:20

## EAST Search History

S2 4	1	etch same( "hard metal" same binder)	US-PGP UB; USPAT; USOCR	OR	ON	2007/06/07 15:21
S2 5	0	etch same( "hard metal" same binder)and porous	US-PGP UB; USPAT; USOCR	OR	ON	2007/06/07 15:21
S2 6	0	etch same( "hard metal" same binder)and porous	US-PGP UB; USPAT; USOCR ; FPRS; EPO; JPO; DERWE NT; IBM_T DB	OR	ON	2007/06/07 16:02
S2 7	5	"6096377"	US-PGP UB; USPAT; USOCR ; FPRS; EPO; JPO; DERWE NT; IBM_T DB	OR	ON	2007/06/07 16:30

## EAST Search History

S2 8	0	"07640377"	US-PGP UB; USPAT; USOCR ; FPRS; EPO; JPO; DERWE NT; IBM_T DB	OR	ON	2007/06/07 16:31
S2 9	0	"07640377"	US-PGP UB; USPAT; USOCR	OR	ON	2007/06/07 16:31
S3 0	0	"07/640377"	US-PGP UB; USPAT; USOCR	OR	ON	2007/06/07 16:48
S3 1	9	(cement\$4 adj carbide\$3) same etch same binder	US-PGP UB; USPAT; USOCR	OR	ON	2007/06/07 17:38
S3 2	19	(cement\$4 adj carbide\$3) same etch	US-PGP UB; USPAT; USOCR	OR	ON	2007/06/07 16:49
S3 3	9	"5700518"	US-PGP UB; USPAT; USOCR	OR	ON	2007/06/07 18:31
S3 4	19933	("216").CLAS.	US-PGP UB; USPAT; USOCR	OR	OFF	2007/06/07 18:32

## EAST Search History

S3 5	0	("I23andetch").PN.	US-PGP UB; USPAT; USOCR	OR	OFF	2007/06/07 18:32
S3 6	0	("I23andetch").PN.	US-PGP UB; USPAT; USOCR	OR	OFF	2007/06/07 18:32
S3 7	0	("I23andetch").PN.	US-PGP UB; USPAT; USOCR	OR	OFF	2007/06/07 18:32
S3 8	10489	S34 and etch	US-PGP UB; USPAT; USOCR	OR	ON	2007/06/07 18:33
S3 9	23	S38 and ( "cemented carbide" or "hard metal" or WC) and diamond	US-PGP UB; USPAT; USOCR	OR	ON	2007/06/07 19:10
S4 0	2	10/810978	US-PGP UB; USPAT; USOCR	OR	ON	2007/06/08 13:07
S4 1	22671 5	("428").CLAS.	US-PGP UB; USPAT; USOCR	OR	OFF	2007/06/08 13:07
S4 2	4963	S41 and etch	US-PGP UB; USPAT; USOCR	OR	ON	2007/06/08 13:08

## EAST Search History

S4 3	119	S42 and ("hard metal" or WC or (cement\$3 adj Carbide))	US-PGP UB; USPAT; USOCR	OR	ON	2007/06/08 13:11
S4 4	60	S43 and diamond	US-PGP UB; USPAT; USOCR	OR	ON	2007/06/11 18:06
S4 5	1	10/949803	US-PGP UB; USPAT; USOCR	OR	ON	2007/06/08 14:00
S4 6	22671 5	("428").CLAS.	US-PGP UB; USPAT; USOCR	OR	OFF	2007/06/11 18:07
S4 7	4963	S46 and etch	US-PGP UB; USPAT; USOCR	OR	ON	2007/06/11 18:07
S4 8	119	S47 and ("hard metal" or WC or (cement\$3 adj Carbide))	US-PGP UB; USPAT; USOCR	OR	ON	2007/06/11 18:07
S4 9	24	S48 and diamond and "grain size"	US-PGP UB; USPAT; USOCR	OR	ON	2007/06/12 11:06
S5 0	1	09/627931	US-PGP UB; USPAT; USOCR	OR	ON	2007/06/12 11:07



## EAST Search History

S5 1	2	10/183098	US-PGP UB; USPAT; USOCR	OR	ON	2007/06/12 11:08
S5 2	1	09/581626	US-PGP UB; USPAT; USOCR	OR	ON	2007/06/12 11:09
S5 3	0	(Diamon adj (film or layer))and((WC or "hard metal" with binder)with etch)and ( binder with etch)	US-PGP UB; USPAT; USOCR	OR	ON	2007/06/12 12:24
S5 4	2	(Diamond adj (film or layer))and((WC or "hard metal" with binder)with etch)and ( binder with etch)	US-PGP UB; USPAT; USOCR	OR	ON	2007/06/12 17:09
S5 5	4	(Diamond adj (film or layer))and(cutting adj tool) and etch and three adj steps	US-PGP UB; USPAT; USOCR	OR	ON	2007/06/12 18:34
S5 6	4560	(Diamond adj(film or layer))	US-PGP UB; USPAT; USOCR	OR	ON	2007/06/12 17:15
S5 7	23	(Diamond adj(film or layer))and ( WC or "hard metal" or "cutting tool") and etch and (mill or grind or blast)	US-PGP UB; USPAT; USOCR	OR	ON	2007/06/12 18:07

## EAST Search History

S5 8	0	11/075411	US-PGP UB; USPAT; USOCR	OR	ON	2007/06/12 18:07
S5 9	0	11/075411	US-PGP UB; USPAT; USOCR ; FPRS; EPO; JPO; DERWE NT; IBM_T DB	OR	ON	2007/06/12 18:09
S6 0	2	"11075411"	US-PGP UB; USPAT; USOCR ; FPRS; EPO; JPO; DERWE NT; IBM_T DB	OR	ON	2007/06/12 18:09
S6 1	1	11/080521	US-PGP UB; USPAT; USOCR ; FPRS; EPO; JPO; DERWE NT; IBM_T DB	OR	ON	2007/06/12 18:11

## EAST Search History

S6 2	2	11/115575	US-PGP UB; USPAT; USOCR ; FPRS; EPO; JPO; DERWE NT; IBM_T DB	OR	ON	2007/06/12 18:11
S6 3	0	(Diamond adj (film or layer))and(cutting adj tool) and etch and electrolys	US-PGP UB; USPAT; USOCR	OR	ON	2007/06/12 18:35
S6 4	34	(Diamond adj (film or layer))and(cutting adj tool) and etch and electrochemical	US-PGP UB; USPAT; USOCR	OR	ON	2007/06/12 18:46
S6 5	29278	WC or Tungstan adj carbide and three adj step adj etch	US-PGP UB; USPAT; USOCR	OR	ON	2007/06/12 18:47
S6 6	0	(WC or Tungstan) adj carbide and three adj step adj etch	US-PGP UB; USPAT; USOCR	OR	ON	2007/06/12 18:47
S6 7	0	(WC or Tungstan) adj carbide and (three adj step adj etch)	US-PGP UB; USPAT; USOCR	OR	ON	2007/06/12 18:48
S6 8	0	(WC or Tungstan) adj carbide and (three with etch)	US-PGP UB; USPAT; USOCR	OR	ON	2007/06/12 18:48

## EAST Search History

S6 9	0	(WC or Tungstan) adj carbide and (three with etch)	US-PGP UB; USPAT; USOCR ; FPRS; EPO; JPO; DERWE NT; IBM_T DB	OR	ON	2007/06/12 18:48
S7 0	0	(WC or Tungstan) adj carbide and ("three step etch")	US-PGP UB; USPAT; USOCR ; FPRS; EPO; JPO; DERWE NT; IBM_T DB	OR	ON	2007/06/13 10:25
S7 1	1	11/016381	US-PGP UB; USPAT; USOCR ; FPRS; EPO; JPO; DERWE NT; IBM_T DB	OR	ON	2007/06/13 10:11

## EAST Search History

S7 2	4	(WC or Tungstan adj carbide) and ("three step etch")	US-PGP UB; USPAT; USOCR ; FPRS; EPO; JPO; DERWE NT; IBM_T DB	OR	ON	2007/06/13 10:26
S7 3	12	(WC or Tungstan adj carbide) and ((etch or remove) with bind\$4))and (etch with ( WC or hard ) and ( etch withbind\$4)	US-PGP UB; USPAT; USOCR ; FPRS; EPO; JPO; DERWE NT; IBM_T DB	OR	ON	2007/06/13 10:35
S7 4	6	(WC or Tungstan adj carbide) and ((etch or remove) with bind\$4))and (etch with ( WC or hard ) and ( etch with bind\$4)	US-PGP UB; USPAT; USOCR ; FPRS; EPO; JPO; DERWE NT; IBM_T DB	OR	ON	2007/06/13 10:29

## EAST Search History

S7 5	290	(WC or Tungstan adj carbide) and (((etch or remove) with bind\$4))and (mill\$4 or blast\$4 or (mechanical adj remove\$3))	US-PGP UB; USPAT; USOCR ; FPRS; EPO; JPO; DERWE NT; IBM_T DB	OR	ON	2007/06/13 10:37
S7 6	198	(WC or Tungstan adj carbide) and (((etch or remove) with bind\$4))and (milling or blast\$4 or (mechanical adj remove\$3))	US-PGP UB; USPAT; USOCR ; FPRS; EPO; JPO; DERWE NT; IBM_T DB	OR	ON	2007/06/13 10:37
S7 7	154	(WC or Tungstan adj carbide) and (((etch or remove) with bind\$4))and (milling or blast or (mechanical adj remove\$3))	US-PGP UB; USPAT; USOCR ; FPRS; EPO; JPO; DERWE NT; IBM_T DB	OR	ON	2007/06/13 11:16

## EAST Search History

S7 8	0	WO/1997/007264	US-PGP UB; USPAT; USOCR ; FPRS; EPO; JPO; DERWE NT; IBM_T DB	OR	ON	2007/06/13 11:23
S7 9	14	"5650059"	US-PGP UB; USPAT; USOCR ; FPRS; EPO; JPO; DERWE NT; IBM_T DB	OR	ON	2007/06/13 17:25

## EAST Search History

S8 0	17793	((051/123/) or (216/58/) or (216/83) or (216/37) or (216/53) or (252/79.1/) or (216/79.2/) or (216/79.3/) or (216/79.4/) or (216/79.5/) or (501/91/) or (501/94/) or (428/408/) or (428/404/) or (252/368/) or (252/370/) or (427/98.8/) or (427/107/) or (427/126.2/) or (427/166/) or (427/249.13/) or (427/249.8/) or (427/248.1/) or (427/269/) or (427/307/) or (427/249/) or (427/99/)).CCLS.	US-PGP UB; USPAT; USOCR ; FPRS; EPO; JPO; DERWE NT; IBM_T DB	OR	OFF	2007/06/13 17:29
S8 1	3477	S80 and ( WC or Tugstan Carbide)	US-PGP UB; USPAT; USOCR	OR	ON	2007/06/13 17:29
S8 2	20557 2	L@ and Binder	US-PGP UB; USPAT; USOCR	OR	ON	2007/06/13 17:30



## EAST Search History

S8 3	1133	S81 and Binder	US-PGP UB; USPAT; USOCR	OR	ON	2007/06/13 17:30
S8 4	389	S81 and Binder and Cobalt	US-PGP UB; USPAT; USOCR	OR	ON	2007/06/13 17:31
S8 5	37	S81 and Binder and Cobalt and etch	US-PGP UB; USPAT; USOCR	OR	ON	2007/06/13 18:01
S8 6	0	07/640377	US-PGP UB; USPAT; USOCR	OR	ON	2007/06/13 18:02
S8 7	3	"6268045"	US-PGP UB; USPAT; USOCR	OR	ON	2007/06/13 18:12
S8 8	16	"5272014"	US-PGP UB; USPAT; USOCR	OR	ON	2007/06/13 19:01
S8 9	1	"50105358"	US-PGP UB; USPAT; USOCR ; FPRS; EPO; JPO; DERWE NT; IBM_T DB	OR	ON	2007/06/13 19:02

## EAST Search History

S9 0	0	jp-0822803	US-PGP UB; USPAT; USOCR ; FPRS; EPO; JPO; DERWE NT; IBM_T DB	OR	ON	2007/06/13 19:02
S9 1	3	"05065359"	US-PGP UB; USPAT; USOCR ; FPRS; EPO; JPO; DERWE NT; IBM_T DB	OR	ON	2007/06/14 11:45
S9 2	14	"5650059"	US-PGP UB; USPAT; USOCR ; FPRS; EPO; JPO; DERWE NT; IBM_T DB	OR	ON	2007/06/14 12:16

## EAST Search History

S9 3	5	"6660329"	US-PGP UB; USPAT; USOCR ; FPRS; EPO; JPO; DERWE NT; IBM_T DB	OR	ON	2007/06/14 12:16
S9 4	3	09/946545	US-PGP UB; USPAT; USOCR ; FPRS; EPO; JPO; DERWE NT; IBM_T DB	OR	ON	2007/06/14 12:17
S9 5	3	(WC or Tungstan) adj carbide and (remove same (surface with binder))	US-PGP UB; USPAT; USOCR	OR	ON	2007/06/14 13:48
S9 6	13	"442259"	US-PGP UB; USPAT; USOCR	OR	ON	2007/06/14 13:55
S9 7	30	"5236740"	US-PGP UB; USPAT; USOCR	OR	ON	2007/06/14 13:55

## EAST Search History

S9 8	30	"5236740"	US-PGP UB; USPAT; USOCR	OR	ON	2007/06/14 14:35
S9 9	30	"5236740"	US-PGP UB; USPAT; USOCR	OR	ON	2007/06/14 16:06
S1 00	30	"5236740"	US-PGP UB; USPAT; USOCR	OR	ON	2007/06/14 16:07
S1 01	6	(Diamond adj (film or layer))and(((WC or "hard metal") with binder))and sinter and CVD	US-PGP UB; USPAT; USOCR	OR	ON	2007/06/18 15:34
S1 02	1	"09946545"	US-PGP UB; USPAT; USOCR	OR	ON	2007/06/18 15:37
S1 03	5	"6638474"	US-PGP UB; USPAT; USOCR	OR	ON	2007/06/18 15:37
S1 04	30	"5236740"	US-PGP UB; USPAT; USOCR	OR	ON	2007/06/19 12:45
S1 05	93500 13	JP 88-053269	US-PGP UB; USPAT; USOCR ; JPO	OR	ON	2007/06/19 13:35

## EAST Search History

S1 06	79987 73	JP 88-053269	JPO	OR	ON	2007/06/19 12:47
S1 07	0	88-053269	JPO	OR	ON	2007/06/19 12:47
S1 08	12	"470916"	US-PGP UB; USPAT; USOCR ; JPO	OR	ON	2007/06/19 14:47
S1 09	32	polish with WC	US-PGP UB; USPAT; USOCR ; JPO	OR	ON	2007/06/19 14:47
S1 10	3	(polish with WC)and SiC	US-PGP UB; USPAT; USOCR ; JPO	OR	ON	2007/06/19 14:48
S1 11	82324	(polish with tungsten carbide)and "silicon carbide"	US-PGP UB; USPAT; USOCR ; JPO	OR	ON	2007/06/19 14:48
S1 12	82324	(polish with tungsten carbide)same "silicon carbide"	US-PGP UB; USPAT; USOCR ; JPO	OR	ON	2007/06/19 14:48
S1 13	82324	(polish with tungsten carbide)with "silicon carbide"	US-PGP UB; USPAT; USOCR ; JPO	OR	ON	2007/06/19 14:48

## EAST Search History

S1 14	2	(polish with "tungsten carbide")with "silicon carbide"	US-PGP UB; USPAT; USOCR ; JPO	OR	ON	2007/06/19 14:49
S1 15	2	(polish with "tungsten carbide")same "silicon carbide"	US-PGP UB; USPAT; USOCR ; JPO	OR	ON	2007/06/19 14:49
S1 16	6	(polish with "tungsten carbide")and "silicon carbide"	US-PGP UB; USPAT; USOCR ; JPO	OR	ON	2007/06/19 15:05
S1 17	13	(finishing with "tungsten carbide")and "silicon carbide"	US-PGP UB; USPAT; USOCR ; JPO	OR	ON	2007/06/19 15:12
S1 18	13	(finishing with "tungsten carbide")and "silicon carbide"	US-PGP UB; USPAT; USOCR ; FPRS; EPO; JPO; DERWE NT; IBM_T DB	OR	ON	2007/06/19 15:30

## EAST Search History

S1 19	1	(finishing with "tungsten carbide")and "silicon carbide particles"	US-PGP UB; USPAT; USOCR ; FPRS; EPO; JPO; DERWE NT; IBM_T DB	OR	ON	2007/06/19 15:31
S1 20	0	(finishing with "tungsten carbide")with "silicon carbide particles"	US-PGP UB; USPAT; USOCR ; FPRS; EPO; JPO; DERWE NT; IBM_T DB	OR	ON	2007/06/19 15:32
S1 21	0	(finish with "tungsten carbide")with "silicon carbide particles"	US-PGP UB; USPAT; USOCR ; FPRS; EPO; JPO; DERWE NT; IBM_T DB	OR	ON	2007/06/19 15:32

## EAST Search History

S1 22	0	(finish with "tungsten carbide")with "silicon carbide particle"	US-PGP UB; USPAT; USOCR ; FPRS; EPO; JPO; DERWE NT; IBM_T DB	OR	ON	2007/06/19 15:32
S1 23	0	((polish or blast or remove or finish or abra&4) with "tungsten carbide")with "silicon carbide particle"	US-PGP UB; USPAT; USOCR ; FPRS; EPO; JPO; DERWE NT; IBM_T DB	OR	ON	2007/06/19 15:33
S1 24	575	((polish or blast or remove or finish or abra&4) with "tungsten carbide")same"silicon carbide particle"	US-PGP UB; USPAT; USOCR ; FPRS; EPO; JPO; DERWE NT; IBM_T DB	OR	ON	2007/06/19 15:38



## EAST Search History

S1 25	0	((polish or blast or remove or finish or abra&4) with "tungsten carbide")same "silicon carbide particle"	US-PGP UB; USPAT; USOCR ; FPRS; EPO; JPO; DERWE NT; IBM_T DB	OR	ON	2007/06/19 15:41
S1 26	11	"6004189"	US-PGP UB; USPAT; USOCR ; FPRS; EPO; JPO; DERWE NT; IBM_T DB	OR	ON	2007/06/19 15:43
S1 27	10	"6171224"	US-PGP UB; USPAT; USOCR ; FPRS; EPO; JPO; DERWE NT; IBM_T DB	OR	ON	2007/06/19 16:12

## EAST Search History

S1 28	13	"5713133"	US-PGP UB; USPAT; USOCR ; FPRS; EPO; JPO; DERWE NT; IBM_T DB	OR	ON	2007/06/19 16:17
S1 29	32	"5236740"	US-PGP UB; USPAT; USOCR ; FPRS; EPO; JPO; DERWE NT; IBM_T DB	OR	ON	2007/06/19 16:42
S1 30	14	"5650059"	US-PGP UB; USPAT; USOCR ; FPRS; EPO; JPO; DERWE NT; IBM_T DB	OR	ON	2007/06/20 12:44

## EAST Search History

S1 31	2	11/115575	US-PGP UB; USPAT; USOCR ; FPRS; EPO; JPO; DERWE NT; IBM_T DB	OR	ON	2007/06/20 12:46
S1 32	0	11/508806	US-PGP UB; USPAT; USOCR ; FPRS; EPO; JPO; DERWE NT; IBM_T DB	OR	ON	2007/06/20 12:47
S1 33	0	11/562442	US-PGP UB; USPAT; USOCR ; FPRS; EPO; JPO; DERWE NT; IBM_T DB	OR	ON	2007/06/20 12:47

## EAST Search History

S1 34	0	11/562929	US-PGP UB; USPAT; USOCR ; FPRS; EPO; JPO; DERWE NT; IBM_T DB	OR	ON	2007/06/20 12:47
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